

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061409.D
 Acq On : 1 Jun 2024 2:24
 Operator : MA/JU
 Sample : P2588-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6D9

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: Jun 01 03:05:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	27450	20.000	ng/ul	0.00
20) Naphthalene-d8	10.669	136	102174	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.506	164	77519	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.262	188	180240	20.000	ng/ul	0.00
79) Chrysene-d12	21.515	240	179742	20.000	ng/ul	0.00
88) Perylene-d12	24.600	264	211441	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.349	96	2113m	4.308	ng/uL	0.02
4) Pyridine-d5	3.748	84	17900	10.258	ng/ul	0.00
7) Phenol-d5	7.056	99	41234	18.292	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.203	67	28193	19.898	ng/ul	0.00
11) 2-Chlorophenol-d4	7.414	132	35279	21.147	ng/ul	0.00
15) 4-Methylphenol-d8	8.595	113	16651	8.663	ng/ul	0.00
21) Nitrobenzene-d5	9.024	128	18510	23.530	ng/ul	0.00
24) 2-Nitrophenol-d4	9.753	143	20863	22.661	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	40060	22.319	ng/ul	0.00
31) 4-Chloroaniline-d4	10.805	131	19601	8.347	ng/ul	0.00
46) Dimethylphthalate-d6	13.913	166	138833	23.092	ng/ul	0.00
49) Acenaphthylene-d8	14.201	160	153211	24.512	ng/ul	0.00
54) 4-Nitrophenol-d4	14.753	143	12313m	16.565	ng/ul	0.02
60) Fluorene-d10	15.505	176	127277	24.520	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.646	200	15946	14.628	ng/ul	0.00
73) Anthracene-d10	17.362	188	208213	26.203	ng/ul	0.00
81) Pyrene-d10	19.653	212	258623	28.023	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.394	264	268723	26.436	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.716	128	10771	1.997	ng/ul#	82
36) 2-Methylnaphthalene	12.326	142	5805	1.484	ng/ul	97
37) 1-Methylnaphthalene	12.550	142	7892	1.966	ng/ul#	99
50) Acenaphthylene	14.230	152	21314m	3.075	ng/ul	
52) Acenaphthene	14.571	153	12937	2.845	ng/ul#	89
56) Dibenzofuran	14.906	168	20375	3.134	ng/ul	94
61) Fluorene	15.558	166	29142	5.181	ng/ul	92
72) Phenanthrene	17.303	178	628076	71.796	ng/ul	98
74) Anthracene	17.391	178	69478	7.681	ng/ul	97
77) Carbazole	17.661	167	46725	6.351	ng/ul	98
80) Fluoranthene	19.324	202	1142153	103.163	ng/ul	99
82) Pyrene	19.682	202	971176	84.508	ng/ul	100
85) Benzo(a)anthracene	21.498	228	479639	38.673	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.404	149	70940	12.140	ng/ul#	97
87) Chrysene	21.562	228	553626	48.479	ng/ul	96
90) Benzo(b)fluoranthene	23.637	252	698446	55.480	ng/ul	98
91) Benzo(k)fluoranthene	23.689	252	247841m	19.393	ng/ul	
93) Benzo(a)pyrene	24.459	252	415433	34.752	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.102	276	310502	21.479	ng/ul	99
95) Dibenzo(a,h)anthracene	28.143	278	80384	6.744	ng/ul	99
96) Benzo(g,h,i)perylene	29.201	276	237703	20.669	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :

BNA_G

ClientSampleId :

BH6D9

Manual Integrations**APPROVED**

Reviewed By :Jagrut Upadhyay 06/03/2024

Supervised By :mohammad ahmed 06/04/2024

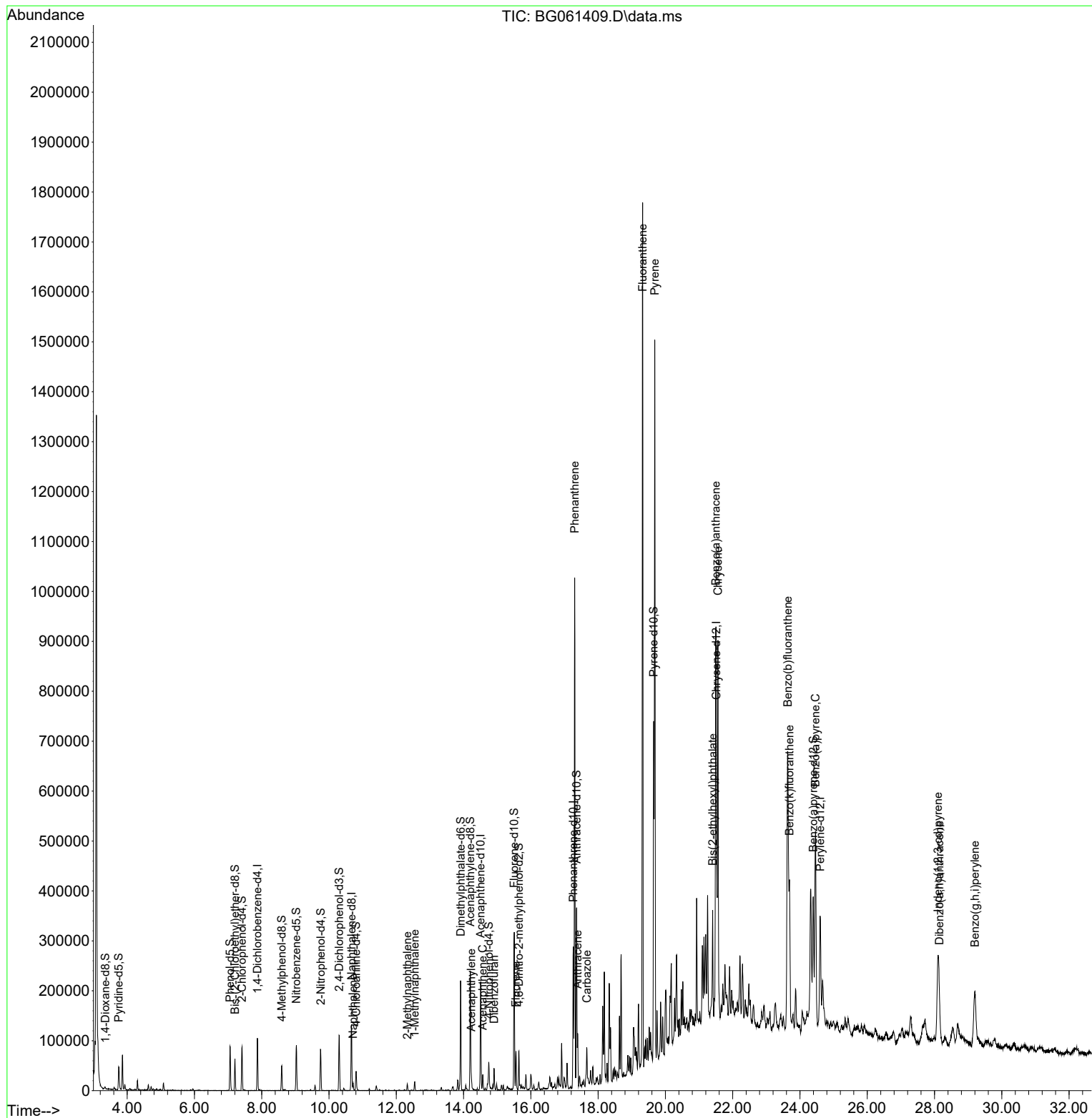
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
Data File : BG061409.D
Acq On : 1 Jun 2024 2:24
Operator : MA/JU
Sample : P2588-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

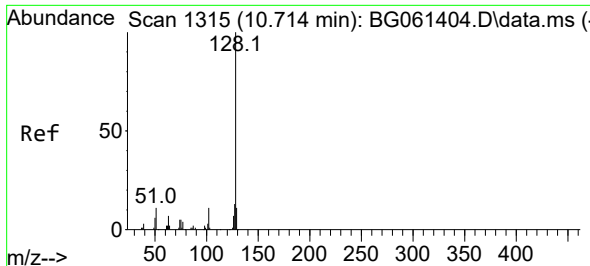
Instrument :
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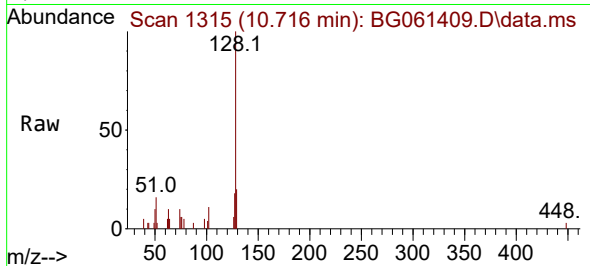
Quant Time: Jun 01 03:05:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.997 ng/ul
RT: 10.716 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

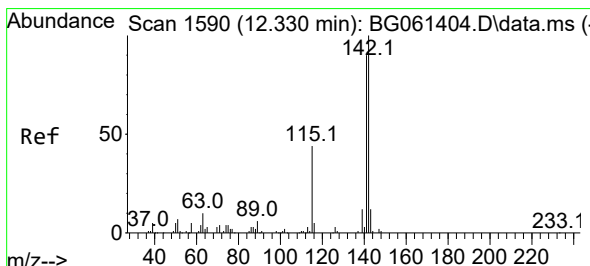
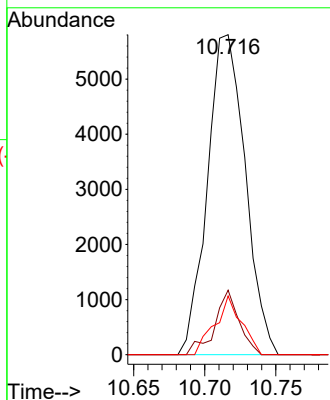
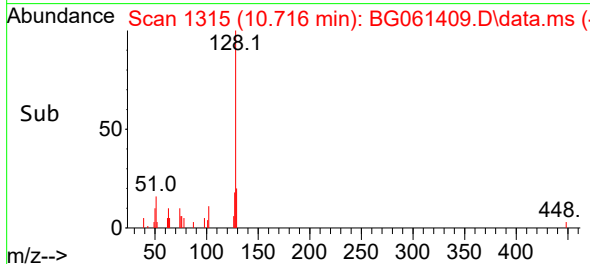
Instrument :
BNA_G
ClientSampleId :
BH6D9



Tgt Ion:128 Resp: 1077
Ion Ratio Lower Upper
128 100
129 20.1 8.6 12.8
127 18.4 10.8 16.2

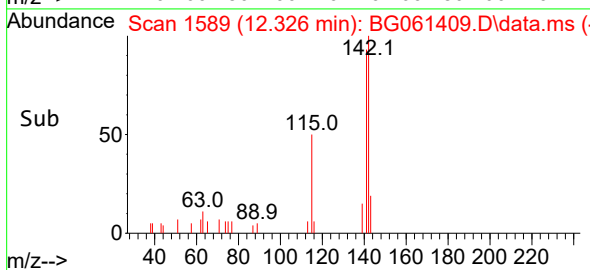
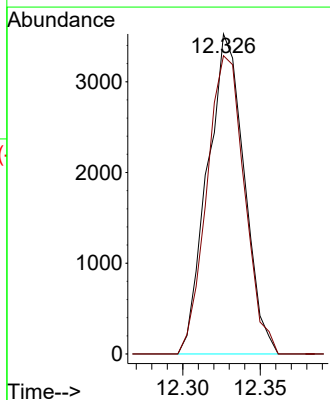
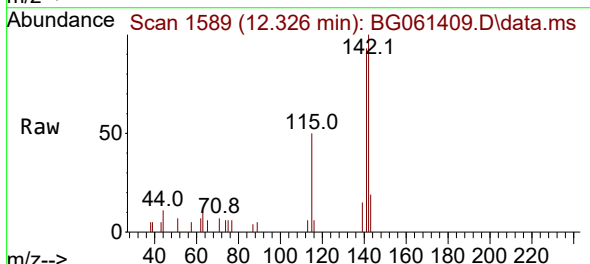
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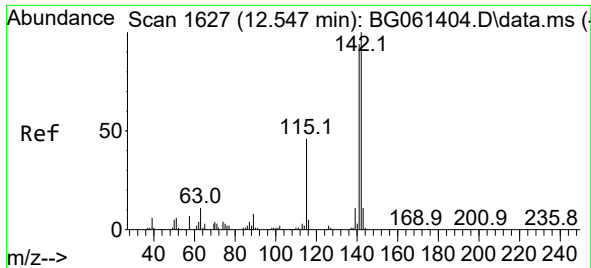
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#36
2-Methylnaphthalene
Concen: 1.484 ng/ul
RT: 12.326 min Scan# 1589
Delta R.T. -0.002 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

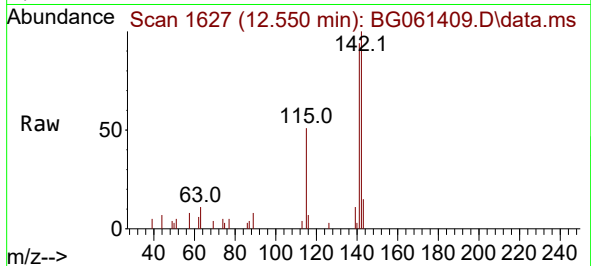
Tgt Ion:142 Resp: 5805
Ion Ratio Lower Upper
142 100
141 93.2 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.966 ng/ul
RT: 12.550 min Scan# 1627
Delta R.T. 0.003 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

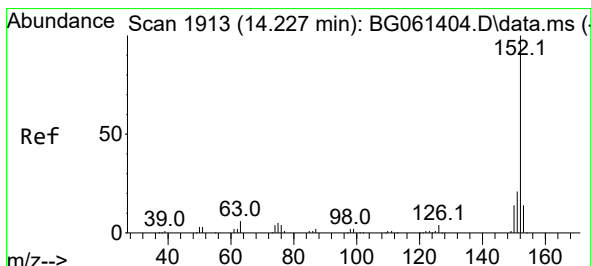
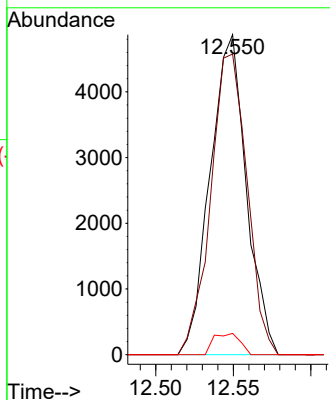
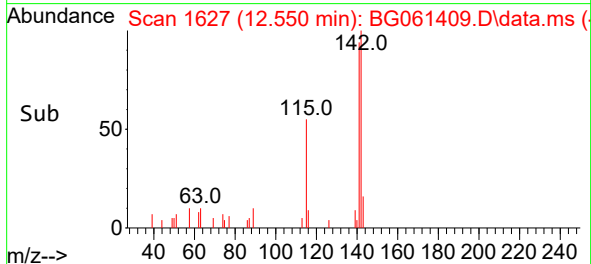
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Tgt Ion:142 Resp: 7892
Ion Ratio Lower Upper
142 100
141 94.0 75.5 113.3
116 6.7 4.0 6.0

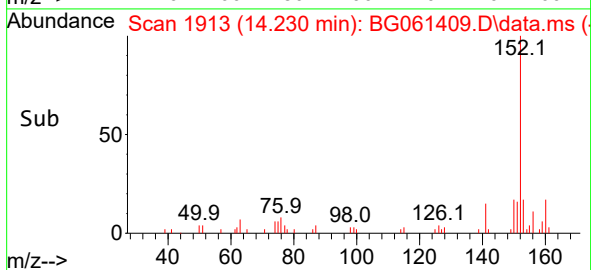
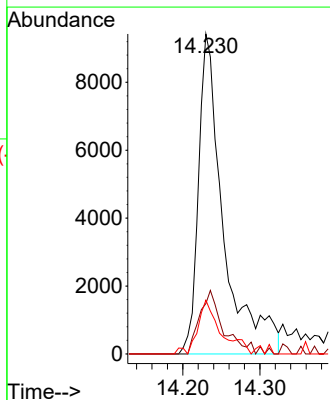
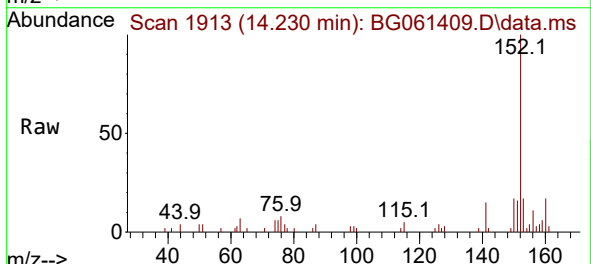
Manual Integrations
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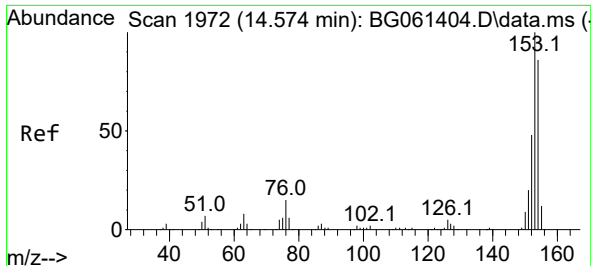
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#50
Acenaphthylene
Concen: 3.075 ng/ul m
RT: 14.230 min Scan# 1913
Delta R.T. -0.002 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

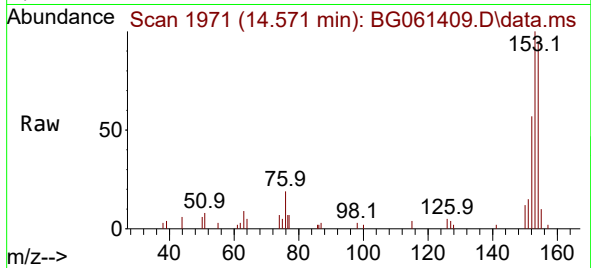
Tgt Ion:152 Resp: 21314
Ion Ratio Lower Upper
152 100
151 15.7 16.2 24.2#
153 16.8 10.2 15.4#





#52
Acenaphthene
Concen: 2.845 ng/ul
RT: 14.571 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

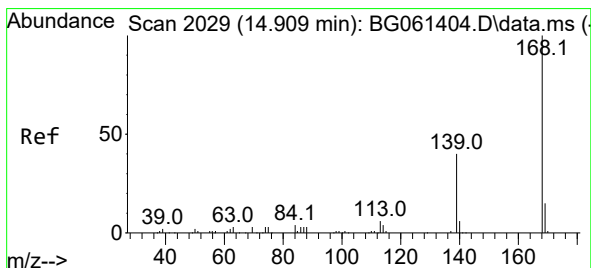
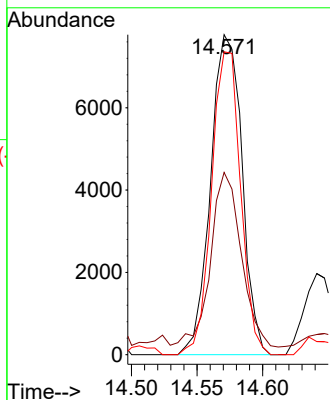
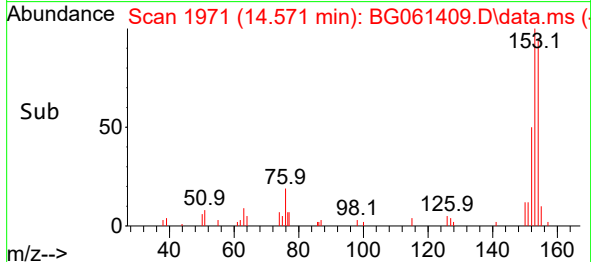
Instrument :
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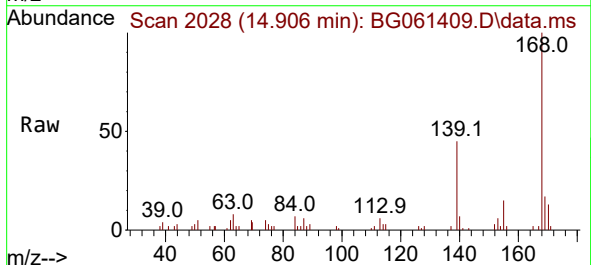
Tgt Ion:153 Resp: 12937
Ion Ratio Lower Upper
153 100
152 57.0 37.8 56.8
154 94.7 69.0 103.6

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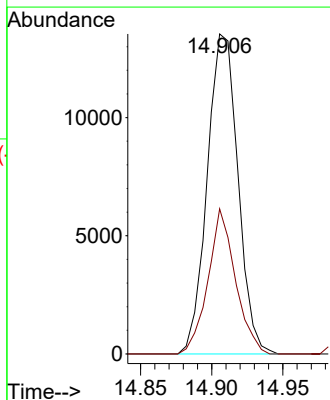
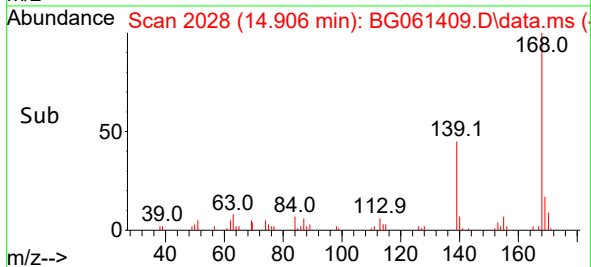
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

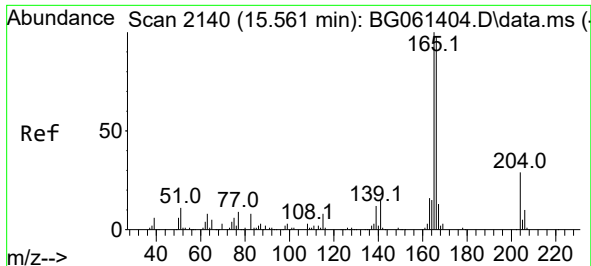


#56
Dibenzofuran
Concen: 3.134 ng/ul
RT: 14.906 min Scan# 2028
Delta R.T. -0.002 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24



Tgt Ion:168 Resp: 20375
Ion Ratio Lower Upper
168 100
139 45.4 33.4 50.2





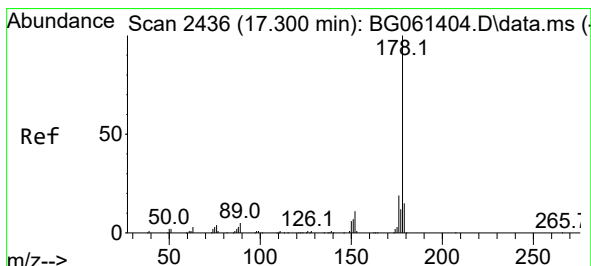
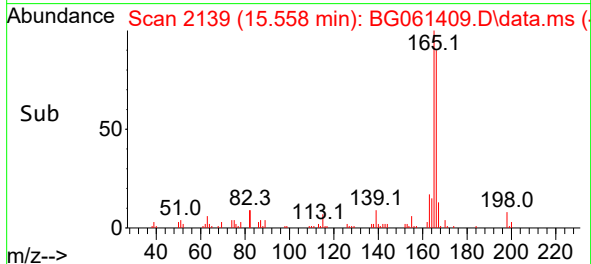
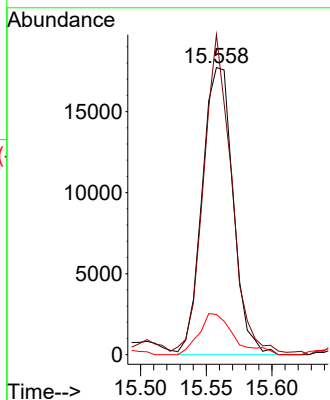
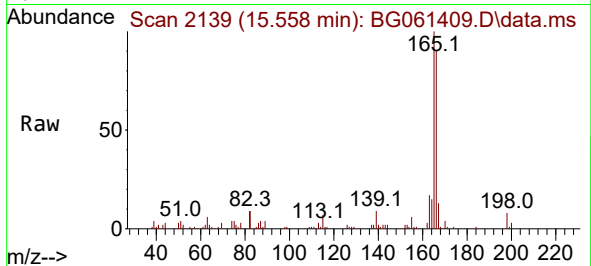
#61
Fluorene
Concen: 5.181 ng/ul
RT: 15.558 min Scan# 2140
Delta R.T. -0.002 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

Instrument :
BNA_G
ClientSampleId :
BH6D9

Tgt Ion:166 Resp: 2914
Ion Ratio Lower Upper
166 100
165 111.4 81.8 122.8
167 14.0 10.6 16.0

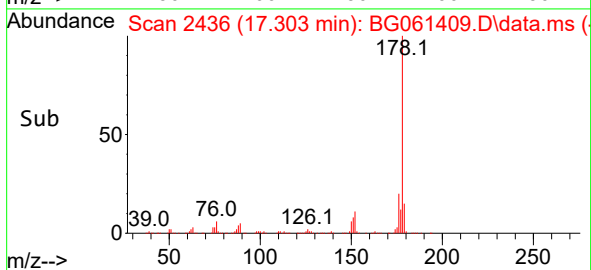
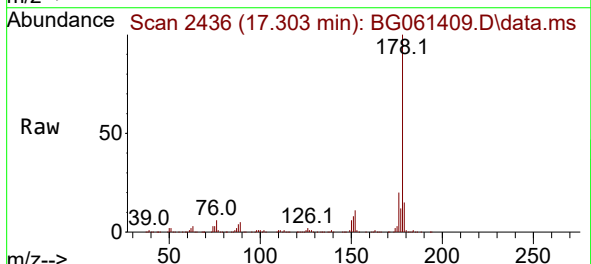
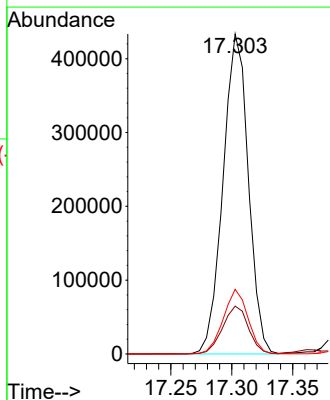
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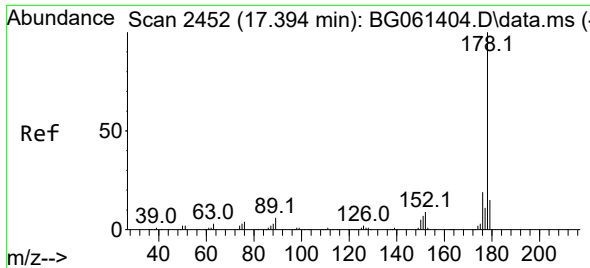
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#72
Phenanthrene
Concen: 71.796 ng/ul
RT: 17.303 min Scan# 2436
Delta R.T. 0.003 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

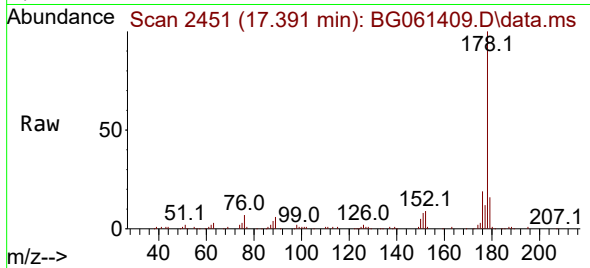
Tgt Ion:178 Resp: 628076
Ion Ratio Lower Upper
178 100
179 15.0 12.7 19.1
176 20.2 15.5 23.3





#74
 Anthracene
 Concen: 7.681 ng/ul
 RT: 17.391 min Scan# 2451
 Delta R.T. -0.002 min
 Lab File: BG061409.D
 Acq: 1 Jun 2024 2:24

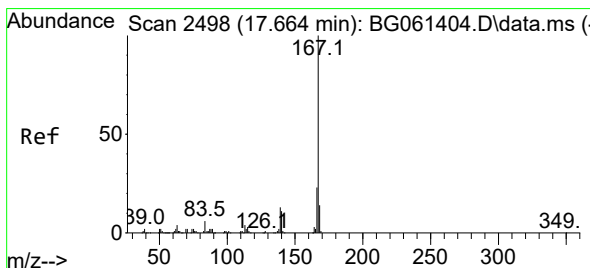
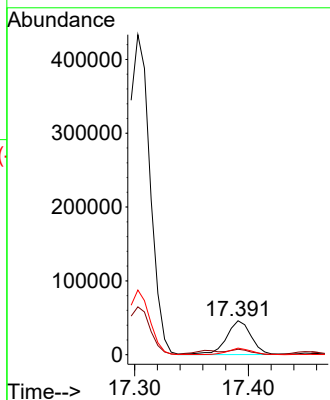
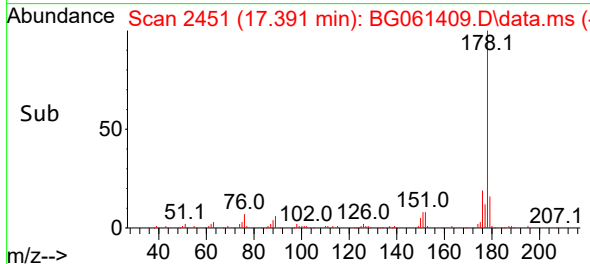
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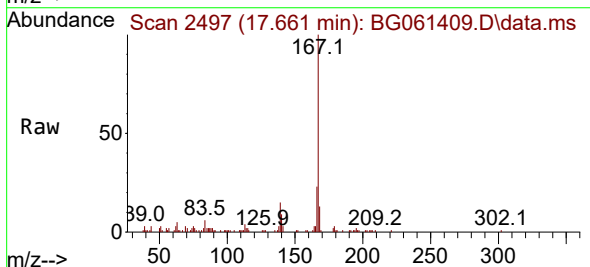
Tgt Ion:178 Resp: 69478
 Ion Ratio Lower Upper
 178 100
 179 16.2 11.8 17.6
 176 19.4 14.9 22.3

Manual Integrations
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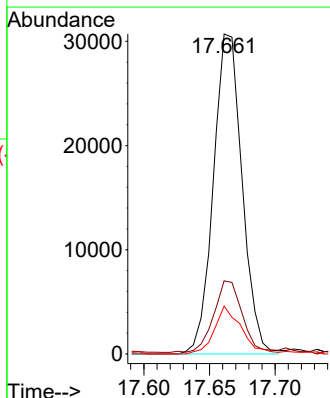
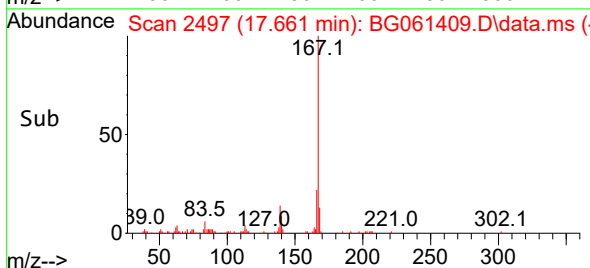
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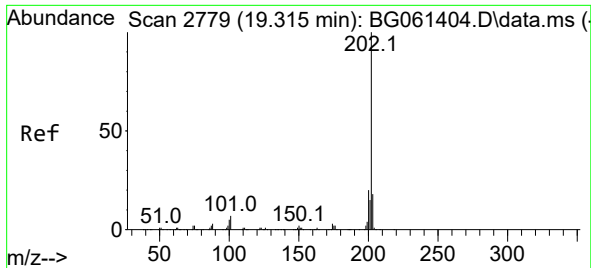


#77
 Carbazole
 Concen: 6.351 ng/ul
 RT: 17.661 min Scan# 2497
 Delta R.T. -0.002 min
 Lab File: BG061409.D
 Acq: 1 Jun 2024 2:24



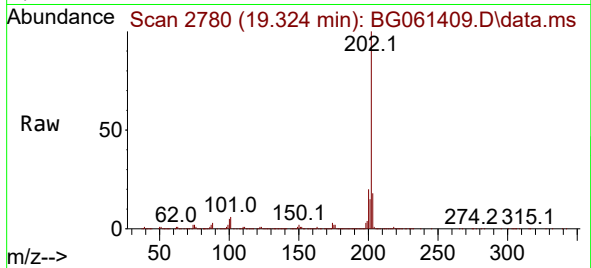
Tgt Ion:167 Resp: 46725
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.6 28.0
 139 14.9 10.6 15.8





#80
Fluoranthene
Concen: 103.163 ng/ul
RT: 19.324 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

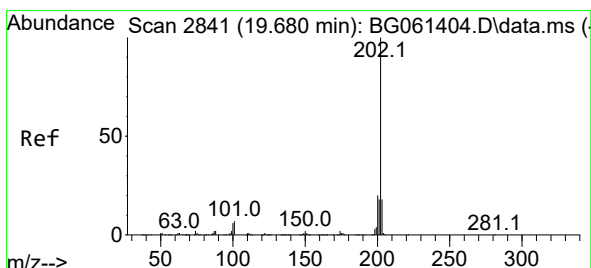
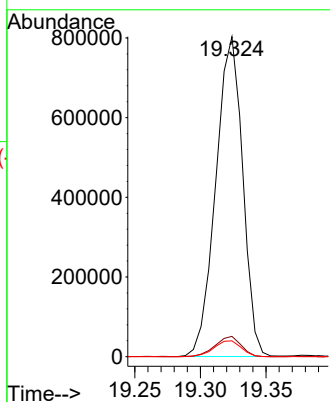
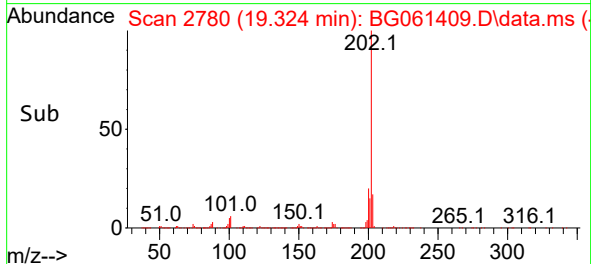
Instrument :
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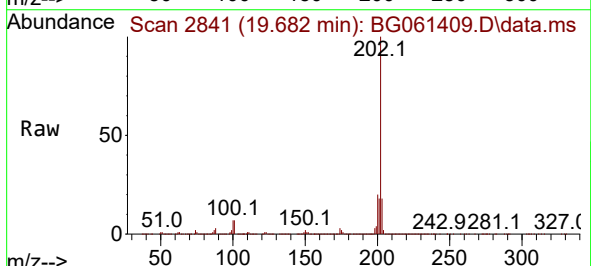
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Ion Ratio Lower Upper
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101 6.4 4.8 7.2
100 5.0 4.1 6.1

Manual Integrations
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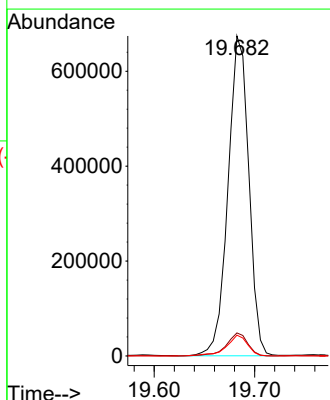
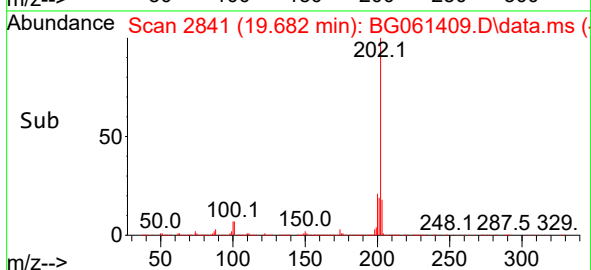
Reviewed By :Jagrut Upadhyay 06/03/2024
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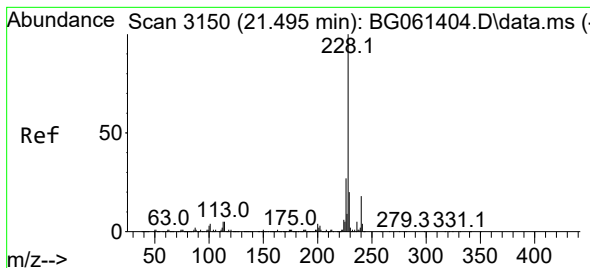


#82
Pyrene
Concen: 84.508 ng/ul
RT: 19.682 min Scan# 2841
Delta R.T. 0.003 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24



Tgt Ion:202 Resp: 971176
Ion Ratio Lower Upper
202 100
101 7.2 5.7 8.5
100 6.5 5.1 7.7





#85

Benzo(a)anthracene

Concen: 38.673 ng/ul

RT: 21.498 min Scan# 3150

Delta R.T. 0.003 min

Lab File: BG061409.D

Acq: 1 Jun 2024 2:24

Instrument :

BNA_G

ClientSampleId :

BH6D9

Tgt Ion:228 Resp: 479639

Ion Ratio Lower Upper

228 100

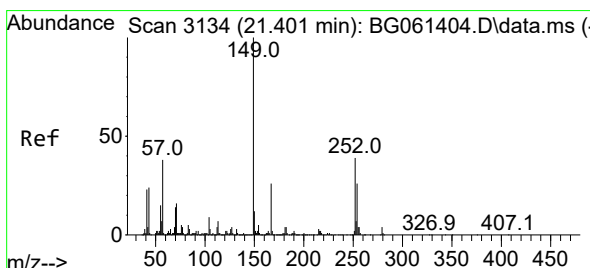
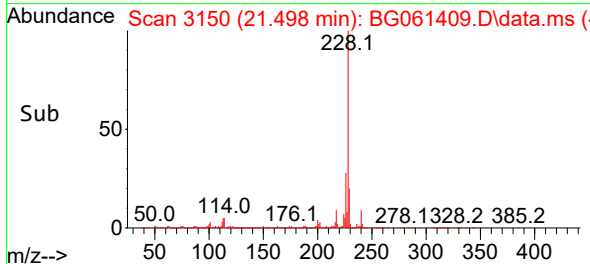
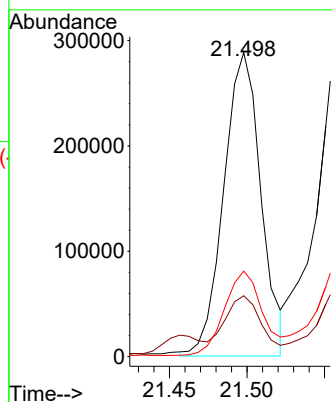
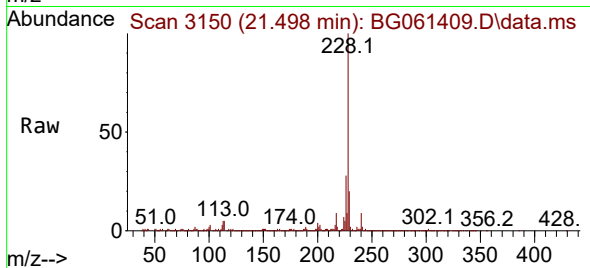
229 20.0 15.2 22.8

226 28.1 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 12.140 ng/ul

RT: 21.404 min Scan# 3134

Delta R.T. -0.002 min

Lab File: BG061409.D

Acq: 1 Jun 2024 2:24

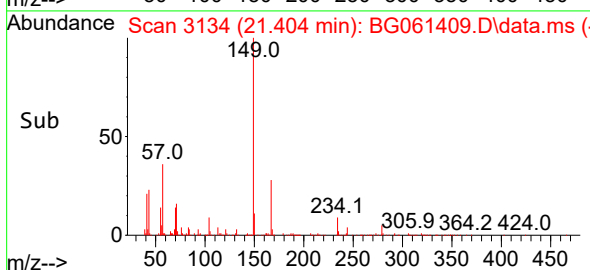
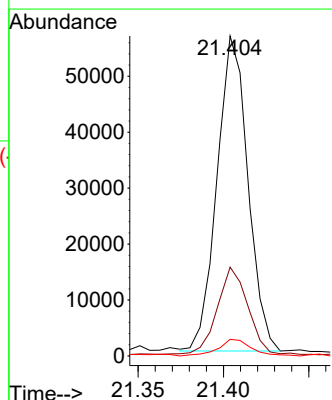
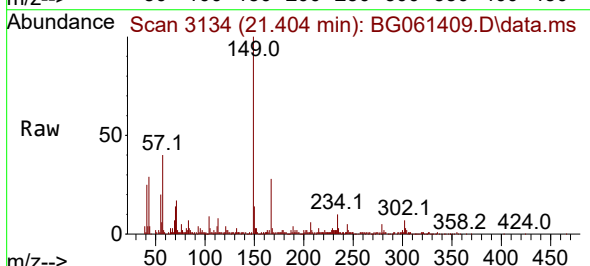
Tgt Ion:149 Resp: 70940

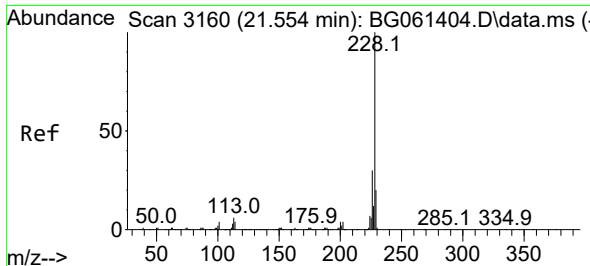
Ion Ratio Lower Upper

149 100

167 27.8 21.1 31.7

279 5.2 3.3 4.9#





#87

Chrysene

Concen: 48.479 ng/ul

RT: 21.562 min Scan# 3161

Delta R.T. 0.009 min

Lab File: BG061409.D

Acq: 1 Jun 2024 2:24

Instrument :

BNA_G

ClientSampleId :

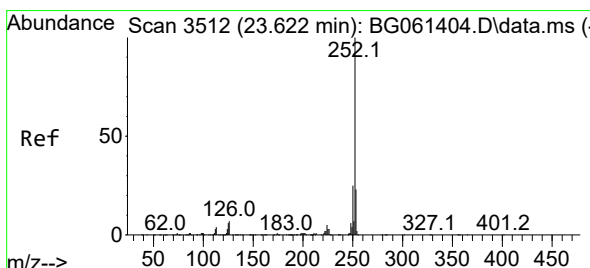
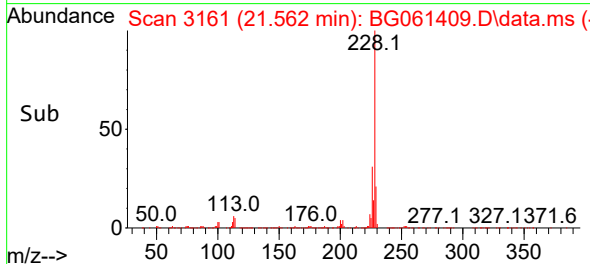
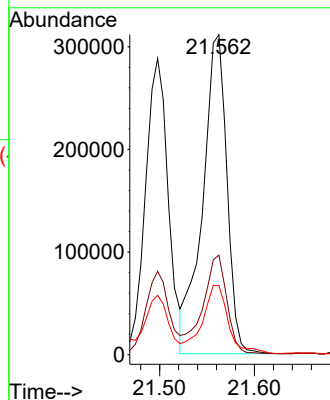
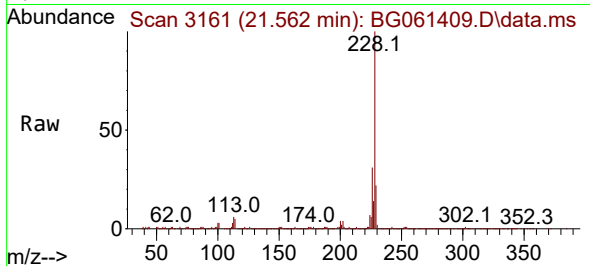
BH6D9

Tgt Ion:	228	Resp:	553620
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.4	35.0
229	21.6	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#90

Benzo(b)fluoranthene

Concen: 55.480 ng/ul

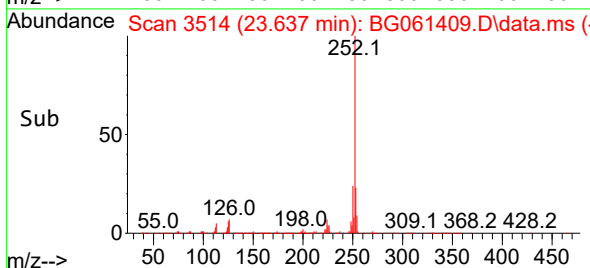
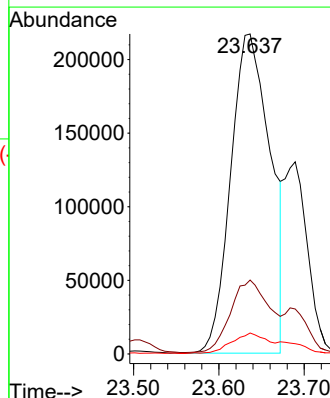
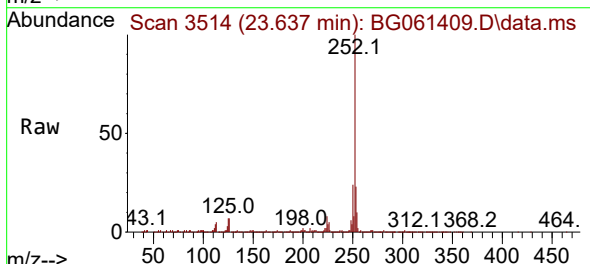
RT: 23.637 min Scan# 3514

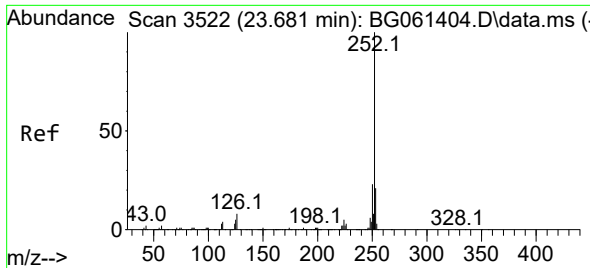
Delta R.T. 0.021 min

Lab File: BG061409.D

Acq: 1 Jun 2024 2:24

Tgt Ion:	252	Resp:	698446
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	6.5	4.6	6.8





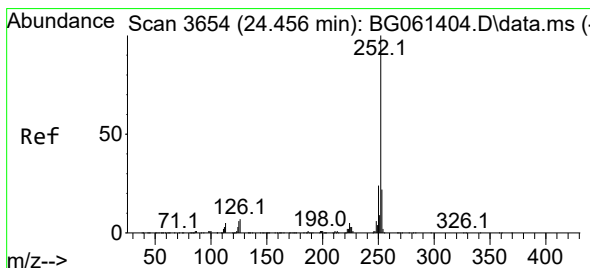
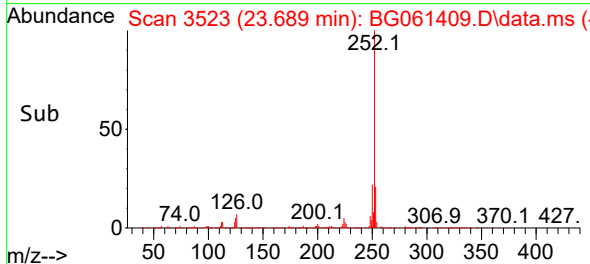
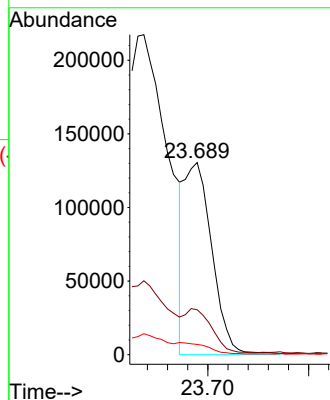
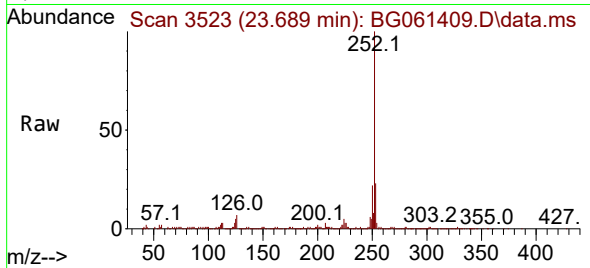
#91
Benzo(k)fluoranthene
Concen: 19.393 ng/ul m
RT: 23.689 min Scan# 3522
Delta R.T. 0.009 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

Instrument :
BNA_G
ClientSampleId :
BH6D9

Tgt Ion:252 Resp: 24784
Ion Ratio Lower Upper
252 100
253 23.4 16.0 24.0
125 5.3 4.3 6.5

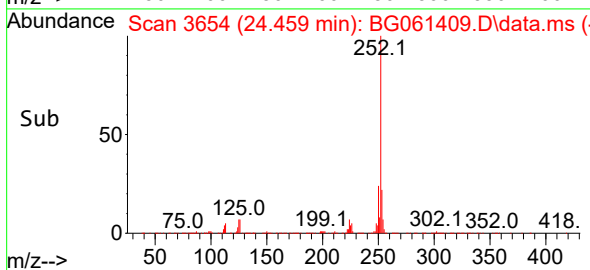
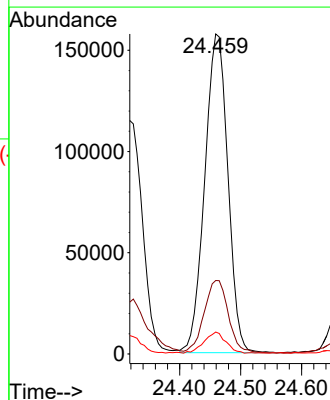
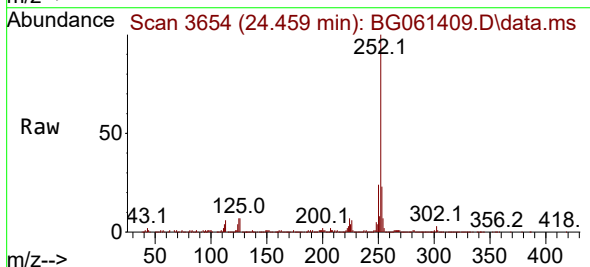
Manual Integrations
APPROVED

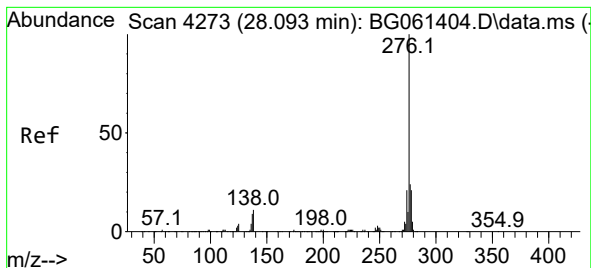
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#93
Benzo(a)pyrene
Concen: 34.752 ng/ul
RT: 24.459 min Scan# 3654
Delta R.T. 0.009 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

Tgt Ion:252 Resp: 415433
Ion Ratio Lower Upper
252 100
253 23.0 16.4 24.6
125 6.8 4.3 6.5#





#94

Indeno(1,2,3-cd)pyrene

Concen: 21.479 ng/ul

RT: 28.102 min Scan# 4274

Delta R.T. 0.009 min

Lab File: BG061409.D

Acq: 1 Jun 2024 2:24

Instrument :

BNA_G

ClientSampleId :

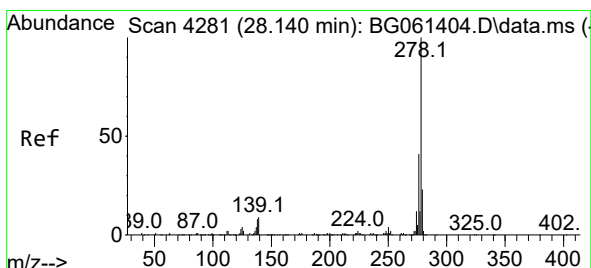
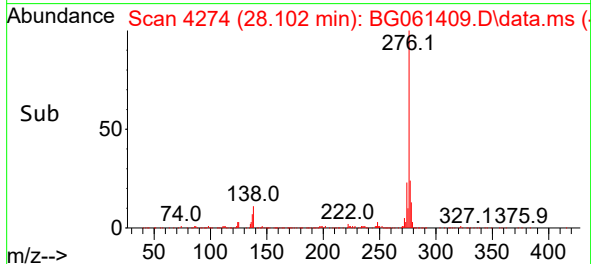
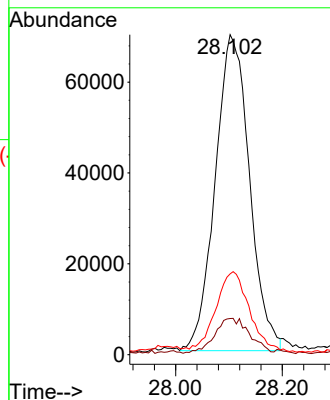
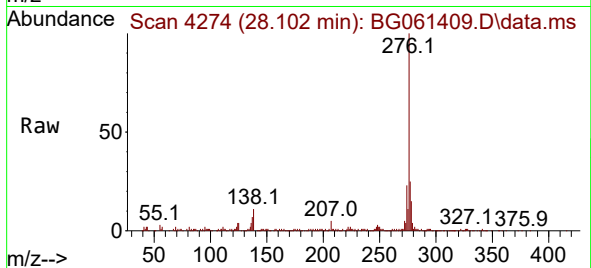
BH6D9

Tgt Ion:276 Resp: 31050
Ion Ratio Lower Upper
276 100
138 11.3 8.6 13.0
277 25.2 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#95

Dibenzo(a,h)anthracene

Concen: 6.744 ng/ul

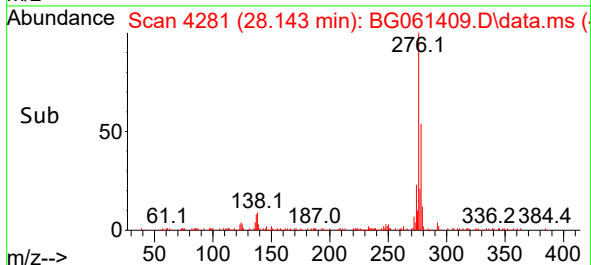
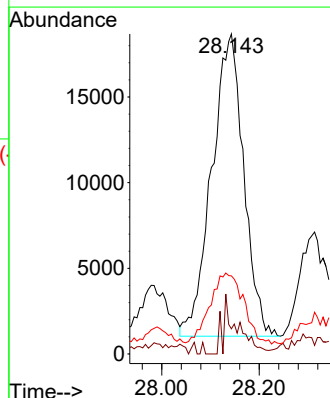
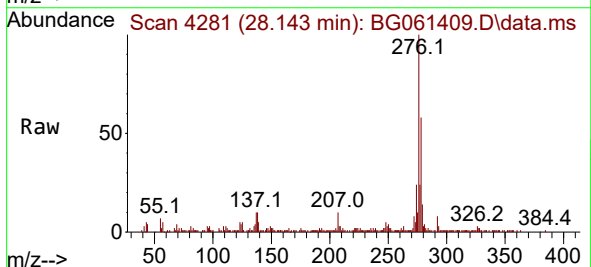
RT: 28.143 min Scan# 4281

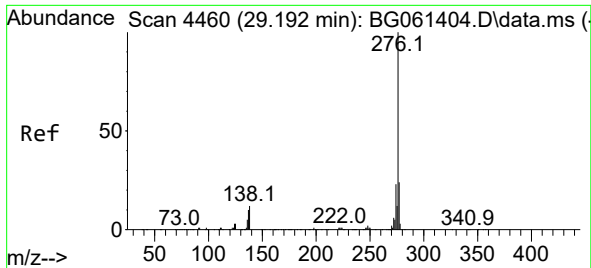
Delta R.T. 0.003 min

Lab File: BG061409.D

Acq: 1 Jun 2024 2:24

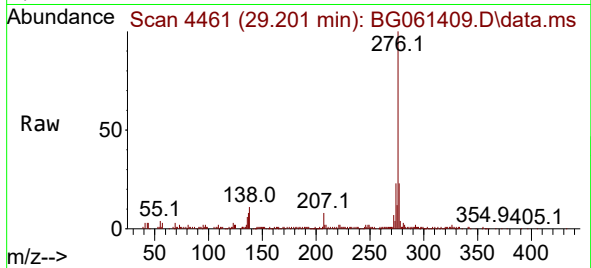
Tgt Ion:278 Resp: 80384
Ion Ratio Lower Upper
278 100
139 7.9 6.4 9.6
279 24.4 19.9 29.9





#96
Benzo(g,h,i)perylene
Concen: 20.669 ng/ul
RT: 29.201 min Scan# 4461
Delta R.T. 0.027 min
Lab File: BG061409.D
Acq: 1 Jun 2024 2:24

Instrument :
BNA_G
ClientSampleId :
BH6D9



Tgt Ion:276 Resp: 23770
Ion Ratio Lower Upper
276 100
138 11.5 8.7 13.1
277 22.5 18.2 27.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

